

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-329464

(43)Date of publication of application : 13.12.1996

(51)Int.Cl.

G11B 5/85  
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G11B 5/84  
H01F 41/22

(21)Application number : 07-136688

(71)Applicant : KAO CORP

(22)Date of filing : 02.06.1995

(72)Inventor : KOBAYASHI ISAO

## (54) PRODUCTION OF MAGNETIC RECORDING MEDIUM

(57)Abstract:

PURPOSE: To obtain a magnetic recording medium having high coercive force and adaptable to high recording density with a low-cost Co-Sm alloy material as the material of a magnetic recording layer.

CONSTITUTION: A film of Cr as an underlayer, a film of a Co<sub>100-x-y</sub>Sm<sub>x</sub>R<sub>y</sub> alloy [R is a rare earth element other than Sm, (x) is 1-30at.% and (y) is 0-10at.%] as a magnetic recording layer and a film of Cr as an upper layer are formed on an amorphous carbon substrate at  $\leq 400^{\circ}\text{C}$  temp. of the substrate and then heating is carried out. at 250-650°C in inert gas or in vacuum.

保 護 層 : S i O <sub>2</sub>

上 地 層 : C r

磁気記録層 : C o - S m

下 地 層 : C r

アモルファス炭素基板

## LEGAL STATUS

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上 地 層 : C r

磁気記録層 : C o - S m

下 地 層 : C r

イモルフラス  
カーボン基板

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